ArcGIS: The Complete Geographic Information System

ArcGIS is an integrated collection of GIS software products for building a complete GIS. The fundamental architecture of ArcGIS enables users to deploy GIS functionality and business logic wherever it is needed in desktops, servers, over the Web, or in the field. This architecture coupled with the geodatabase, forms the building blocks for assembling intelligent geographic information systems.

ArcGIS Desktop is a suite of powerful tools for creating, managing, and analyzing geographic information. ArcGIS Server is a scalable Internet map server for GIS publishing of maps, data, and metadata. ArcGIS Server is an application server that includes a shared library of GIS software objects to build server-side GIS applications in enterprise and Web computing frameworks.

ArcGIS Engine is a set of embeddable C++ software modules that can be used to build custom GIS and mapping desktop applications or to add new functionality to existing applications. ArcGIS extensions add specialized tools and functionality to ArcGIS Desktop.

ArcGIS Server is an advanced spatial data server for managing geographic information in numerous relational database management systems. ArcGIS Engine is a set of embeddable C++ software modules that can be used to build custom GIS and mapping desktop applications or to add new functionality to existing applications. ArcGIS extensions add specialized tools and functionality to ArcGIS Desktop.

Servers GIS
GIS professionals use standard desktops as a productivity tool for acting as a central information management and dissemination platform. ArcGIS Desktop is a scalable suite of advanced GIS products.

Desktop GIS
GIS users deploy centralized server GIS to publish and share geographic knowledge within larger organizations to many stakeholders.

ArcReader
ArcReader
ArcInfo
ArcEditor
ArcInfo
ArcGIS Server

ArcGIS Server

Embedded GIS
Embedded GIS is used to add selected GIS components into focused applications to deliver GIS functionality anywhere in an organization.

ArcGIS Engine
ArcPad
ArcPad Application Builder
ArcPad Extensions

Server GIS

Gedatabase
The geodatabase is the core geographic information model to organize GIS data into meaningful and spatial representations. The geodatabase is open to many possible storage systems including File, ESRI’s, and XML implementations.

Web browsers are lightweight clients (HTML or Java) that complement ArcGIS Server and ArcGIS.